

IN THE ABSTRACT:

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~strikethrough~~.

Please DELETE the Abstract in its entirety and substitute the below new Abstract.

A~~The system to estimate and change a color temperature of a compressed video image and change for changing the color temperature of the compressed video image includes~~comprises a color temperature estimation unit, ~~which to~~ receives a video image compressed using block-based discrete cosine transformation, generates a discrete cosine (DC) video image corresponding to the compressed video image, and estimates ~~the~~a color temperature of the compressed video image using the DC video image; a decoder, ~~to~~which decodes the compressed video image to generate an original video image; and a color temperature change unit, ~~to~~which determines the estimated color temperature of the compressed video image or a color temperature of the decoded original video image as an application color temperature according to~~depending on~~ whether the compressed video image is a moving video image, and changes the color temperature of the decoded original video image in accordance with the application color temperature and a color temperature preferred by a user.